

Abstract

A controller for an A.C. generator for a vehicle, includes: batteries each of which is charged with electric charges on the basis of an output of generation of electrical energy of an A.C. generator having a field coil; voltage regulating means for regulating a current, which is caused to flow through the field coil, on the basis of the detection result of a voltage developed across the terminals the batteries due to an output voltage of the A.C. generator into an fixed output value of the generation of electrical energy of the A.C. generator; and field current restricting means for detecting a current which is caused to flow through the field coil by means of a field current detecting resistor to restrict the current to a predetermined value in correspondence with the detection result, wherein the field current detecting resistor is formed as a thick film printed resistor, and wherein each of the means other than the thick film printed resistor is formed by an electronic circuit are in the form of an integrated circuit.